CIVIL-TECH CONSULTANTS AND ENGINEERS
Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/BAK/INW.No-1976/Soil/2016-17

04.09.2016

TEST REPORT ON DRY DENSITY OF SOIL IN PLACE BY THE CORE - CUTTER METHOD

* Customer	:	Asst. Executive Engineer, Lakes, BBMP, Bangalore.
* Agency	:	Mr. Balakrishna Arun Kumar, #316,25th cross, Banashankari 2nd Stage, Bangalore-560070.
* Name of work	:	Development of Doddabommasandra Lake Phase-2, BBMP, Bangalore.
* Reference	:	AEE/Lakes/PR/97/2016-17 Dated: 22.08.2016
* Sample ID	:	Soil
Technical Reference	:	IS : 2720 - (Part 29) 1974 (RA-2010)
Date of Test	:	03.09.2016

Max.Dry Density g/cc	:	2.02
Optium Moisture Content (%)	:	12.10

DETERMINATION OF WET DENSITY	
Location	Ring Bund 3m depth
Chainage	300m
Wt of empty Cylinder in grams	872
Cylinder + Wet Soil in grams	2918
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	2.00
Moisture Content (%)	4.15
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.93
Field compaction achieved (%)	95.30
Required Compaction (%)	95.0

*Information is furnished by the Customer/Representative

Note:

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Max.Dry Density g/cc	:	2.02
Optium Moisture Content (%)	:	12.10

DETERMINATION OF WET DENSITY	
Location	Ring Bund 3m depth
Chainage	450m
Wt of empty Cylinder in grams	956
Cylinder + Wet Soil in grams	2998
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	2.00
Moisture Content (%)	3.17
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.94
Field compaction achieved (%)	96.02
Required Compaction (%)	95.0

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#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
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* Sample ID	:	Soil
Technical Reference	:	IS : 2720 - (Part 29) 1974 (RA-2010)
Date of Test	:	03.09.2016

Max.Dry Density g/cc	:	2.02
Optium Moisture Content (%)	:	12.10

DETERMINATION OF WET DENSITY	
Location	Ring Bund 3m depth
Chainage	600m
Wt of empty Cylinder in grams	912
Cylinder + Wet Soil in grams	2958
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	2.00
Moisture Content (%)	2.53
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.96
Field compaction achieved (%)	96.80
Required Compaction (%)	95.0

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Date of Test	:	03.09.2016

Max.Dry Density g/cc	:	2.02
Optium Moisture Content (%)	:	12.10

DETERMINATION OF WET DENSITY	
Location	Ring Bund 5m depth
Chainage	150m
Wt of empty Cylinder in grams	825
Cylinder + Wet Soil in grams	2869
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	2.00
Moisture Content (%)	3.75
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.93
Field compaction achieved (%)	95.57
Required Compaction (%)	95.0

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Date of Test	:	03.09.2016

Max.Dry Density g/cc	:	2.02
Optium Moisture Content (%)	:	12.10

DETERMINATION OF WET DENSITY	
Location	Ring Bund 5m depth
Chainage	300m
Wt of empty Cylinder in grams	842
Cylinder + Wet Soil in grams	2872
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	1.99
Moisture Content (%)	2.43
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.94
Field compaction achieved (%)	96.14
Required Compaction (%)	95.0

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Max.Dry Density g/cc	:	2.02
Optium Moisture Content (%)	:	12.10

DETERMINATION OF WET DENSITY	
Location	Ring Bund 5m depth
Chainage	450m
Wt of empty Cylinder in grams	912
Cylinder + Wet Soil in grams	2926
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	1.97
Moisture Content (%)	2.35
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.93
Field compaction achieved (%)	95.46
Required Compaction (%)	95.0

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Max.Dry Density g/cc	:	2.02
Optium Moisture Content (%)	:	12.10

DETERMINATION OF WET DENSITY	
Location	Ring Bund 5m depth
Chainage	600m
Wt of empty Cylinder in grams	978
Cylinder + Wet Soil in grams	2982
Volume of the Cylinder in Cm^3	1020.50
Insitu Bulk density Wet excavated soil Y=w/v	1.96
Moisture Content (%)	1.22
DETERMINATION OF DRY DENSITY	
Field dry Density (g/cc)	1.94
Field compaction achieved (%)	96.05
Required Compaction (%)	95.0

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